SBR=000068/21-23 Original/Duplicate/Triplicate BR=000068/22-23

No 6th RA bill **CONTRACT CERTIFICATE** 17/2/2023

17/2/2023 (For Other Works)

Division: **Electrical (Dasarahalli)** **JOB NO :015-22-000002** Sub-Division: **Electricals**

Head of Account : P0300 M & R to street lights-Replacement of burnt bulbs etc

Bill Received No. Dated Book Voucher No..... Dated...

Schedule Docket Name of Work :- Annual Maintenance of street lights package D-5 in T Dasarahalli ward no 15

Bill Period:01.01.2023 to 31.01.2023(1 Months)

Name of Contractor and Full Address - M/s PRASHANTH ELECTRICALS) Date 16.03.2022

Reference to Agreement No - EE/Ele/DZ/TEND/AG/000013/21-22 Date 04.04.2022

Reference to Work order No - EE/Ele/DZ/TEND/WO/000005/22--23

Certified that the measurements were taken by me on 31/1/23 and recorded of Pages 6895 to 9543 of Measurement Book No. 6896/21-22

for PRASHANTH ELECTRICALS

Contractor

PROPRIETOR

And that the work is satisfactorily executed

Officer-in-charge of work

JUNIOR ENGINEER (Ele)

Brunath Bangalore Mahanagara Palike

Dasarahalli Zone, Bangalore

Certified that the measurement were taken by me on 04/2/23 and found correct. The work is satisfactorily executed

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon A normal agreement signed and executed by the contractor is recorded in the office

Sub-Division Officer

ASSTT. Executive Engineer (Ele)

Brunath Bangalore Mahanagara Palike

Dasarahalli Zone, Bangalore

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	upto	1794793=00
2)	Deduct amount to be held in reserve being percent Rs	Previous	1078421=00
3)	" Balance	Present	716371=00
4)	Deduct Payment:	TWD	83393=00
	a) Amount of previous payment as in the Office Cash Book Voucher No ..... Dated ..... S.D. No..... adjusted towards cash advance recovery of	Amount	
	b) Payments Now made: cost store or other material supplied; recovery of amount creditable to this/other work; Amount paid on this bill Cheque / Cash	IT	7833=00
		CGST	7833=00
		SGST	7833=00
		LWC	7833=00
		CBF	783=00
5)	Balance being unpaid value of work done held in reserve.	Scrap	2377=00
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated ..... less adjustments.	un Fine	2300=00
7)	Net amount due to or from Contractor adjustments items.	deduction	36792=00
8)	Advance to Contractor for materials brought to site (as detailed) within. Value of Government materials supplied.	Total amount adjusted -	679579=00
		Cheque	

for PRASHANTH ELECTRICALS

Contractor's Signature

Received Rs..... (in words) .....

.....

by cash and by adjustment of Payment as per memorandum (in final settlement of all demands) due to

Witness

1.

2.

Dated Signature of Contractor

Paid by me by Cheque No..... PROPRIETOR

Cash Rs .....

Dated .....

Initials of Officer making payment

for PRASHANTH ELECTRICALS

Stamp

Audited and admitted for Rs. 716371/-

679579/-

(For use in the Office)

Six lakh Seventy nine thousand five hundred & Seventy nine only

by adjustment Rs. 36792/-

Accounts Superintendent

Exe. Engineer (Ele)

B.B.M.P. Dasarahalli Division

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Sl. No	Description of item	Unit	Previous Measurement		Present Measurement				Total Upto Date		Remarks
			Qt	Cost	Qty		Rate Rs. P	Amount	Qty	Cost	
	Name of work -Annual Maintanance of street lights package D-5 In T. Dasarahalli ward no 15						1 Months		Upto Date paid so for X 10months		
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps. Tubes. Chokes. Ignitors. Capacitors. Switches. wires. Holders. Starters .and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise. street wise data bank furnishing maintenance reports .every day etc. complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below 36/40 W fluorescent tube light street lighting system	Each	30X9Months	8568.00	0	685 45/12=57 12	57 12	0 00	30X10Months	8568.00	
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps. Tubes. Chokes. Ignitors. Capacitors. Switches. wires. Holders. Starters .and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise. street wise data bank furnishing maintenance reports. every day etc. complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below 125W HPMV Park lighting system	Each	12X9Months	6806.16	12	756 29/12=63 02	63 02	756.24	12X10Months	7562.40	
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps. Tubes. Chokes. Ignitors. Capacitors. Switches. wires. Holders. Starters .and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise. street wise data bank furnishing maintenance reports. every day etc. complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed belowPoles with 250W HPSV street lighting system	Each	851X9Months	650632.05	851	1019 41/12=84 9 5	84 95	72292.45	851X10Months	722924.50	
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps. Tubes. Chokes. Ignitors. Capacitors. Switches. wires. Holders. Starters .and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise. street wise data bank furnishing maintenance reports .every day etc. complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below 400 watts HPSV street light /High mast lighting system	Each	36X9Months	30187.08	36	1118 08/12=93 1 7	93 17	3354.12	36X10Months	33541.20	
5	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers. MCPCB. surge protective device.. Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and , switching ON/OFF of street lights at specified timing and Pole numbering , Prepanng ward wise ,street wise street light data bank , furnishing maintenance reports every day etc. complete so as to ensure efficient burning of street lights detailed in tender documents for 24 Watt to 40 Watt LED Park/ street lighting system	Each	473X9Months	312165.81	473	880 01/12=73 33	73 33	34685.09	473X10Months	346850.90	
6	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers. MCPCB. surge protective device.. Switches , wires. Holders, Starter observing weather proofing technic confirming to IP 65 standards and , switching ON/OFF of street lights at specified timing and Pole numbering . Preparing ward wise .street wise street light data bank , furnishing maintenance reports every day etc. complete so as to ensure efficient burning of street lights detailed in tender documents for 40 Watt to 65 W LED street Light lighting system	Each	49X9Months	42164.01	49	1147 43/12=95 6 1	95 61	4684.89	49X10Months	46848.90	
7	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB. surge protective device .Switches , wires. Holders, Starter observing weather proofing technic confirming to IP 65 standards and , switching ON/OFF of street lights at specified timing and Pole numbering . Preparing ward wise .street wise street light data bank . furnishing maintenance reports every day etc. complete so as to ensure efficient burning of street lights detailed in tender documents for 90W LED street light lighting system	Each	27X9Months	27898.83	27	1377 66/12=114 81	114 81	3099.87	27X10Months	30998.70	
8	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB. surge protective device.. Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and , switching ON/OFF of street lights at specified timing and Pole numbering . Preparing ward wise .street wise street light data bank , furnishing maintenance reports every day etc. complete so as to ensure efficient burning of street lights detailed in tender documents for110/120 watt LED street light lighting system	Each	0	0 00	0	0	0	0.00	0	0.00	
9	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers. MCPCB. surge protective device.. Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and , switching ON/OFF of street lights at specified timing and Pole numbering . Preparing ward wise .street wise street light data bank , furnishing maintenance reports every day etc. complete so as to ensure efficient burning of street lights detailed in tender documents for 150/180 watt LED street light /High mast lighting system	Each	0	0 00	0	0	0	0 00	0	0 00	
10	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility 300mmx450mmx214mm	Each	0	0	10	0	5127 00	51270.00	0	51270.00	

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11	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts nuts washers and wiring etc complete with AC-3 Rating and as per IS-13947 100 to 125Amps	Each	0	0	22	0	7200.00	158400.00	0	158400.00	
12	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve indicator ON/OFF energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 50-63 Amps SP	Each	0	0	24	0	723.00	17352.00	0	17352.00	
13	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers	Each	0	0	24	0	4030.00	96720.00	0	96720.00	
14	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments 6 sqmm	Mtr	0	0	10	0	70.00	700.00	0	700.00	
15	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes 6 sqmm	Each	0	0	100	0	7.00	700.00	0	700.00	
16	1 1 kV LT Aerial Bunched Cable confirming to IS-14255 1995 XLPE insulation Parameter shall be as below 1 Hot Set Test a) Elongation under Load 50% (Max) b) Permanent Elongation After Cooloing 3% (Max) 2 Thermal Aging in oven a) Tensile Strength 16 N/mm² (Min) b) Elongation 375% (Min) 3 Water Absorption Test a) Water absorbed 0 5 mg/cm² (Max) 4 Carbon Black Content shall be ranging from 2% to 3% 3x25 + 1x25 + 1x16 Sqmm Street light (Insulated Messenger cum Neutral)	Km	0	0	1 4	0	147000.00	205800.00	0	205800.00	
17	Stringing of 1 1 kV grade Aerial Bunched 3 Core cable of XLPE insulation of size (3x95) (Phase Conductor) + (1x70) (Insulated Messenger Neutral) + (1x25) (Street Light Control)	Km	0	0	1 4	0	22469.00	31456.60	0	31456.60	
18	Supplying of 1 1 KV LT UG cable XLPE or Heat resistant PVC insulated PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1 Armourng strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm	Mtrs	0	0	195	0	150.00	29250.00	0	29250.00	
19	Labour charges for laying of 1 1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required On wall /Structure 6 sqmm to 16 sqmm	Mtrs	0	0	195	0	30.00	5850.00	0	5850.00	
	Sub Total			1078421.94				716371.26		1794793.20	
	Add GST 12 % on item no 10 to 19							71699.83		71699.83	
	Total							788071.09		1866493.03	
	Fine imposed for non burning of street lights For the period of 01 1 2023 to 31 1 2023 and GPS time violation Penalty for the present bill			1078421.94				2300.00		17200.00	
	As per street light agreement clause 2 % will be deducted in monthly maintenance bill against the released scrap material			14900.00				2377.45		23945.89	
	GRAND TOTAL			21568.44				783393.64		1825347.14	
				1041953.50							

597498.60

Certificate

1 The above said monthly maintenance work has been carriedout satisfactorily

JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

ASST EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

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